PHILIPPINES

1

Mount Santa Tomas, Baguio 1987

23/3 7100 NE Dry secondary montane vegn

1 small tree, 3-4 m LF/TW/ST

2 herb. damp undergrowth LF + ST

3 white sepals/florets

4 LF/TW

5 LF/TW

6 (Lf 200g SB /TW

7 LF/TW

8 (150g LF) TW

9 (100g LF) TN

10 (100g LF) LF/TW

"Rite in the Rain" WEATHERPROOF
J. L. DARLING CORP TACOMA, WA 98421
No. 312

1	Lithocarpus ?	BCS	Fagaceae
2	Elatostema	BCS	Urticaceae
3	Mussaenda	BSS	Rubiaceae
	Polyosmum	[Rosaceae	/ Saxifragaceae]
4	Symplocos ? Clethra.	BCS.	Symplocaceae
5	Lithocarpus	DCO	Fagaceae
6	Bohmeria	DCG	Urticacea
7	(Vaccinium)	Diplycosia? ✓ BCS.	Vacciniaceae
8	Schefflera.	BCS	Araliacea
9	Hedyotis ?	Borreria BCS	Rubiaceae
			Verbenacea

11			2 Hb (150 LF) TW
12			(FL)/BK / /LF/ TW
13			LF/ TW
~~—~~	24/3		LF / TW
14	6 500		(FL)/ SB/TW /LF
15	6500		LF / FR / LF/ SB
	25/3		
16	6500	Tree	PETIOLE /LF / SB
17	"	herb.	STEm / LF / FL
18	"	Shrub. 3m	LF / SB/ TW.
19	"	Shrub 3m	LF / TW/ BK
20	"	Shrub. 3m	LF / TW. /BK
21	7500	Prostrate - Road bank	1
22*	6000	Small shrub purp - blue flo	HERB

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11			
12	Saurauja	BCS	Sauraujaceae
13 a +13a.	Medinilla ?	BCS. BCS.	Melastomataceae
14		BCS.	Anacardiaceae Saxifragaceae, Myrtaceae, Rubiaceae
15		BCS	
16	Schefflera Boerlagodendron	BCS	Araliaceae
17	Gunnera javanica	BCS	Gunneraceae
18			Vacciniaceae
19	?	BCS	
20	Eugenia	BCS.	Myrtaceae
21	Lycopodium	BCS	Lycopodiac.
22	? Spilanthes	BCS	Compositae

27 / 3 / 87 Herb only. *

Km 30 $\overset{38}{-}$, Halsema Rd

N. Baguio · 6,000

dry Pinus insularis / broadleaf forest

23 * small tree 5 m.
ln. Sap saput

24 * small tree 4–5 m
ln.

25 * Shrub. 2–3 m
Bartic

26 * sm. tree 3-4 m flo. cream

27 * sm tree 2-3 m

28 Shrub c. 1 m ln. lusip.
berries bluish.
lvs glaucous

"Rite in the Rain" WEATHERPROOF
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No. 312

23 Mimosoideae Leguminosae
? Pithisilobium

24 - Lithocarpus. Fagaceae.

25 ? Celastraceae / Ilex

26 Evodia Rutaceae

27 Prunus

28 = 46

X 4

29	shrub	3m	fruits purple
30.	shrub	3m	fl. cream / green venation + petioles black.
31	shrub	1-2m	
32	shrub.	1-2m	lvs - yellow/grn.
33	shrub	3m	lvs mealy
34	tree	15m	fls white
35	shrub	3-4m	fls white
36	shrub	3m	
37	shrub.	2m	
38	shrub	3m	latex c fls yellow
39	shrub	4m	fls white

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TACOMA, WA 98421
No. 312

29		Melastomat.
30		
31	Evodia Melicope / Uodia	Rutaceae
32	Symplocos / Ilex	
33	= 40	Verbenaceae
34	Vitex ? Callicarpa ?	Verbenaceae
35	Pipturus ? (Rame)	Urticaceae
36	Ficus	Moraceae
37	Gordonia Urea	Theaceae
	Ilex /	Saxifragaceae
		Rubiaceae

5

40 shrub 3m purple fls.

41 herb 1m purple

42 shrub 2-5m

43 shrub 2-5m

44 herb 1m fls purple

Km 21 on soft conglomerate cliff.

45 herb -1m

46 (Σ 28) low shrub -50cm Fr. black

28/3 Roadside (Marcos Hiway) Baguio.

~~47~~ shrub orange fl., tip greenish

29/3 Marcos Hiway Baguio, road sd

48 tree 3-4m - 2°. vegn
fls purple

"Rite in the Rain" WEATHERPROOF
J. L. DARLING CORP. TACOMA, WA 98421
No. 312

*10 5

	? Callicarpa	Verbenaceae
41.	Impatiens (Cam. thigi)	Balsaminaceae
42	Ficus	Moraceae
43		? Euphorb
44	Cirsium ?	Compositae
45	Nepenthes ? alata	
46!	28 Vaccinium BCS.	Ericaceae
coll	Mano	
47		Loranthaceae
	Talauma ; Magnolia	Magnoliaceae

~~49~~	~~Vaste~~.	
50	Simub	2 m
51	tree	4 m.
52	hut	1.5 m

~~49~~	~~(Waka)~~	~~Leguminosae~~
50	Eupatorium	Compositae
51	? Sterculia	
52	Verbena bonariensis ?	

04/02/87

Quezon National Park
Quezon Province
250 m - 300 (750 ft)

10 km W. Atimonan
m. Rt 1

Lowland tropical Rainforest

Dipterocarp Forest

53 Euphorbiaceae Antidesma
Mallotus

5 m small tree
stem c 5 cm diam
lvs alt, stipulate, fls of catkin

54 Zingiberaceae

2.5 m Plagiotropic
c [illegible] 2 fls, white + purple centre
fls. ē reddish bract @ 20 cm
[illegible]

55* Zingiberaceae Alpinia

2m, fls apical white i

56 Icacinaceae

tree 5m / 15 in dia
bark ± smooth grey

57* Araceae

Homalomena
herb - 0.5 m fruit

58 Marantaceae

Donax
Shrub - 4 m.
fl white ST + LV

Fri 03. Apr. Quezon Nat Park

59 Sapindaceae

Sandoricum koetjape

tree 10m -15m dbh 50cm
bark smooth, grey
fl. green - white.

60. cf Mitrep Annonaceae

tree 20m dbh 35cm
bark smooth, grey
fl. yellow, reddish centre

61 Leguminosae. Moghania strobilifera

~~Flemingia~~ Piang-piang

shrub 2.m.
m/b dry. brown bracts.
roots c bark - infusion for prolonged menstruation

62 Lithocarpus Fagaceae

tree 20-30 m dbh 80 cm
bark slightly. rough

63 Dipterocarpaceae Hopea
faxswarina
Dalindingan

tree 10-15 m 40 cm dbh

bark ± smooth yellow-ish

64 Shrub - 5m branched at
base
Acalypha Euphorb.

all stipulate lvs
catkin-like infls / green

65 Schefflera Araliaceae
?

Palmate lvs, infls/fr green
shrub -4 m

04 / Apr / 87

Bicol Nat Park

66 Pithocelobium angulata
clypearia

Leguminosae

rusty red pod c̄ black seeds
e pinnate lf, 7 pr. leaflets
small tree ~5m, dbh 15cm

FR., LF., TW, BK

Buhi Camarines Sur 6 Apr 82

Foot of mt Buhi (Malinao)

Rice / Coconut / Vegetable farms

alt 300 m

67 Shrub 4m, lvs opp. decussate, lanceolate, entire
fruit, brown dehisced 3 valves:
local name Salingogon

bark grey with red/brown fissures.

LF, BK, TW

68 Small tree 5m

lvs ovate entire, alternate
bark smooth grey, fruit terminal spike
(l.n.) Bognay.

LF, BK, TW

69 Tree 15m, dbh 60cm
buttressed to 2m
bark, rough - unfissured
grey, slash - white latex.

lvs ovate, entire 40 cm. l.
infls - green/cream ♂ + ♀
(Guemahan).

Moraceae, Artocarpus

LF, FR, TW, BK.

70 Zingiberaceae, Alpinia
javanica/speciosa
fls. terminal spike; white
outer, yellow inner c̄ red
lines c̄ throat
2m high

TUBER, STM, LF

Secondary forest on mountain
stream, rocky, 500 ft
- 700 ft

Urticaceae 14

71. Tree, 5m, branched at 2m
bark smooth with small
protuberances, grey
slash reddish d.b.h 20cm
lvs lanceolate, entire
stipulate, alternate

fls., creamy white
born in axils of clustered
flwr.

LVS, TW, BR

Euphorbiaceae
72 Small tree 4m. d.b.h.

lvs oblanceolate serrulate
opp. & decussate stipulate
fls greenish yellow in
terminal,

bark slightly rough - brown
slash white

LVS & TW SEMAH
(Makabangon)

73 Euphorbiaceae $^{\underline{LS}}$, Melotis / Homolanth

Slender tree 6 m. dbh 10 cm

smooth grey bark
(? Vitex sp.)

lvs alternate chordate

flo yellow green, terminal spike.

(Balante.)

BK., TW, LF.

Urticaceae

74 Shrub 4-5 m. - stem 5-10 cm

bark, smooth, brown / grey.

Lvs alt., ovate, accuminate.
dentate margin, deciduous

stipules, dense hr. on back

flo, green in axils of lvs
of current.

BK., TW, LF.

(Rames)

→ Binangkaan Falls

75. Small tree, 6m
Euphorbiaceae, Croton
Alom) d.b.h. 10-15cm.
[illegible]
(Medicinal - chest pain poultice)
mealy on upper [illegible]
leaves.
lvs alt ~~3 palmate~~ cordate
? small stipules.
fls brown [illegible] fr. (3) carpels
LF, TW. BR

76 ? Elatostema Urticaceae

herb - 1m, alt lvs
fls - green - [illegible]
axils, fleshy stem
adventitious roots.
ROOT ; STEM

77 Leeaceae Leea
small tree - 3m.
Gara-dat Bicol
(Bicol dialect)
anastomosing stems, green/brown
alt lvs, bipinnate, odd,
4 pr exstipulate

fruit berry – red → black

LF. (FR), TW, BK.

Crypteroniaceae. Crypteronia.

78. tree, branched at 3 m ? pinnate

15 m, d.b.h 50 cm

bark red peeling.

slash orange, wood, white - hard,

lvs. ovate, acute, crenulate

opposite

fls green, catkin-like

axillary terminal

BK., FL. TW LVS.

Euphorbiaceae, Mallotus

79. Tree 6 m dbh 15 cm

bark grey / brown / red 'mealy'

lvs undulate, exstipulate, alt.

18

fls – fruit [illegible] 2 lined
whitish - green LF, TW, BH

sapsopong bayog) Bicol
80 Tree, 15-20 m, dbh 50 cm
[illegible]
bark, rough, flaking [illegible]
buttressed to 50 cm
slash white
fls in 5, K & P white
∞ yellow stamens, axil.
lvs lanceolate, serrate
exstip > alt
LF, TW, BH

Euphorbiaceae

Lauraceae
81 Small Tree 6-7 m
(saripongpong)
d.b.h. 15 cm, branched 2 m
bark smooth, grey, brown,
silver patches
lvs alt, entire exstip
fls in [illegible] green
LF, TW, BH

19

82 tree 15 m, 80 cm d.b.h.
branched @ 3 m
bark rough, flaky
reddish - brown
slash pinkish, wood yellow

lf alt., pinnate od 9 p
fls yellow, spike, axil.
stamens grey, pentamerous
fruits legume, seeds
black, red at funicle ×

(mangirorong)

Leguminosae, ? Ormosia
Adenanthera

LF, TW, BK.

83. (Anonang) Celtis

small tree 5m dbh 20cm

smooth grey-brown bark

[illegible] slash

lvs ovate, entire, alternate, exstip

(flo white, + fruit.
bark used for making [illegible])

LF, TW, BK, FL.

→ 7/4/87

84. (Abiblong)

Moraceae Artocarpus

tree, 8m, dbh 25cm

lvs alt, entire exstip,

fruits, yellowish - in axils of leaves, solitary

bark, rough reticulate [illegible]

slash red c̄ white latex

LV, BK, FR, TW.

85

Small tree 8 m dbh 20 cm
bark silver grey, [illegible]
[illegible] a longitudinal fissures
lvs ? exstip, entire, alt
fruits [illegible] 'in [illegible] → red
(Araham)
beside river, hard wood
LV, BK, TW

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86 * Salingogon (cf 67)

fresh fruits + fls. P 5+5
pink fr green → red
Hypericaceae Cratoxylum

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87. Woody vine – – 10m tree

lvs opposite, exstip,
entire, apiculate
fl white, yellow throat
c red guide hair
TW, LV, BK

Apocynaceae, Strophanthus.

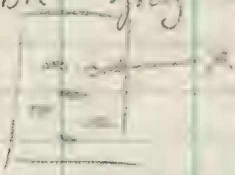
88 Woody, vine lvs alt
odd pinnate, 4 pr + 1)
infl in axil ē lvs
K, purple; C white

Leguminosae, Millettia

LV, ST.

900 ft → 1000 ft

89 Shrub 4m stem 10cm
bk grey with rusty brown X



(Anaki)

bipinnate
lvs even pinnate 3-4 pr.
gland ē base petiole
fls green

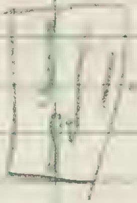
BK, LV. TW.

Mimosoideae Leguminosae

23

90 Tree 15 m dbh 40 cms
branched at 4 m

bk grey
slash yellow.



fl. white panicle
lf ovate, serrulate
exstipulate, alt.
fruit, sphaerical, green
BK., LV., TW.

(Tabangay,)

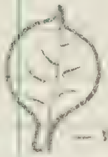
Medicinal use :

Muscle pain – bk heated
→ poultice.

Celestraceae ,

91 large tree 15-20m
d.b.h. 150cm
bark brown. rough
slash red.

lf simple



alt., exstip
fruit green, spherical

LV, TW, BK

fls. ∞ stamens in tube
pink at base, white

(Balitoson)

Barringtoniaceae. Planchonia

92 Tree 12m dbh 50cm
buttressed to 1m
bark flaking ..., reddish

Stem 4 [illegible]
lvs oblanceolate, entire, alt.

? fruit fl. green
(yellow sap ?)
Guttiferae Garcinia

Flacourtiaceae,
93 small tree 6m,
dbh 10cm; bk smooth

lvs alt, crenulate
+ denticulate
flo green white

LV, TW, BR
Tamahoyan na puti

94 ? Apocynaceae, Tabernae^{monta}

Small shrub, → 2m
lvs opposite, entire, lanceolate
flo valvate. salviform, white

(Pandakaki) (LF + TW)

95 (Tawa - tawa) - Biak

lvs opp., entire
fruits oval, green, with white speckles.
flo orange, large white bracts
shrub 3-4 m
bark, reddish, greenish
c̄ grey

LV, TW, BK
Rubiaceae, Mussaenda

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96 Leguminosae, Pithecellobium

tree - 8 m, dbh 40 cm
lvs bipinnate, alt.
legume fruits orange - red - brown
seeds bluish black

bark smooth, brown
slash yellow - cream
LF, TW, BK, FR

(Anagup.) Medicinal for
water buffalo – leaves pounded
plastered on wounds
1500 ft

97 tall shrub / tree branched @
1 m bark rough, brown
slash reddish, wood white
lvs alt, entire, exstip.
flo. sitting on twig in clusters
milky sap
6–8 m, 15 cm d.b.h.
LF, TW, BR

(Tagkan ↓ c Palaquium
Sapotaceae cf Planchonella

small tree
98. Similar – 3 m–4 m. (–20 m)
stem green – brown
lvs rotund, alt., exstip.
fruits of small, acorn
white (blue)
BH, TW. LV.

Lauraceae ?
(Bakan)

No. 312

1800 ft ± Dipterocarp forest

99 Tree 10m dbh 40

bark long fissures

pinnate lvs alt., exstip, entire, lanceolate

slash red

Fls greenish white inconspic

TW, LV, BK

(Panåto) Sapindaceae

cf Aphelium

100 Vine, woody - 5 cm dia

large ovate, acute lvs

fls cauliflorous

H7S

fls dense infl red fls. yell.

filaments stamens c̄ purple anthers

(Balangobang)

TW, LV, BK

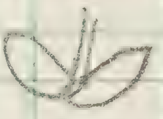
bracts dull magenta

reddish peduncle, fls, & winged

Medinila, Melastomataceae

101 Climber (Karangkang)
Schefflera Araliaceae
fl. greenish white.
LV + TW.

102 Tree, 15m dbh 30cm
bark, corky, rough, brown
slash copious white, watery
latex.
fl., salverform, creamy
white, orange at base
convolute, fragrant
fruit green, banana shaped
in pair.



BF, LV, TW, FR

Makabobongaw
Apocynaceae Ochrosia

No. 312

30

103* Climber 2m, leafless
on old tree trunk
flo yellow + stem
Orchidaceae - [illegible]

104. Canarium luzonicum
Burseraceae
(Pili nut)

bark flaky
smooth silver

Tree 10m dbh 25cm

lf odd pinnate - 4 pr;
stipulate, alternate
leaflets entire, O.5 [illegible]

♂ + ♀

fruit green → black

LF, Tnl, BH

09.4.87 Lake Bulusan

Mixed Dipterocarp forest - sub montane, 1200'

Sorsogon Province (nr Irosin)

105 Burseraceae cf Canarium - Dacryodes

lvs alt. imparipinnate, opp leaflets

C3, creamy white, aromatic

tree 10m, dbh 20 cm

bark grey slightly fissured [illegible]

slash whitish

FL, LF, TW, BK.

106 Lauraceae ?

slender tree 8-10 m, 20 cm dbh

flo in bud lvs alt. ellip-.

lanceolate

stem reddish brown, small

flo orange.

LV, BK, TW

107 Astronia Melastomataceae

slender tree 6m, 15cm dbh

dd infl, brown, lvs opp
? exstip, corky gland at
base of petiole

bark stringy, slash reddish

BK, LF, TW.

108 Sapotaceae ??

slender tree 8-10m, 20cm dbh
slash red, watery sap.
bark

lateral [illegible]
+ lenticels
grey

fl creamy yellow uniseriate,
3 merous, orange style on
short stalk, lvs alt., entire
ovate - lanceolate, exstip

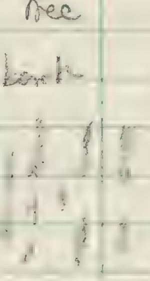
BK, LF, TW.

109 Tree 10m, 25cm, dbh
bark smooth, reddish
trunk buttressed – 50 cm
– wide, slash reddish
lvs alt, exstip, entire
flo in bud creamy-green
3 merous
fruit black drupe, one seeded
sap watery

El[illegible] ? Rhamnaceae
TW, BK, LF

110 Calophyllum Guttiferea

tree 15-20m dbh 40cm
bark greenish grey, slash red

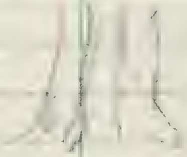


greenish milky
latex

lvs opp, (exstip, fine parallel
) venation

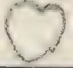
fruits green, single style
single seed
LF, TW, BK

111 Rubiaceae Timonius
small tree - 10m dbh 25cm
hard wood, slash orange-white
bark, flaking - brownish, thin
trunk
fluted
at base



fls 5 merous salviform
corolla segment recurved,
white
lvs opp. entire, ± sessile
exstipulate
LF, BK, Tw

112 Garcinia, Guttiferae
Tree 10m, dbh 60cm
bark, dark grey, smooth
slash reddish - copious yellow
latex
lvs, opp, large flaking obovate



fruit green, 9 carpelate

LF, BK, TW, FR

113 (Euphorbiaceae)? Ulmaceae?
no latex -
small tree 10m, dbh 30cm
branched at 4m
lvs alt, entire, exstip.
fruits clustering in axils
1-3 seeds per fruit
2 styles, fruits spherical
, brown tomentum

BK, LF, TW

114* Myrsinaceae, Maesa ramentacea
shrub - 2m.
lvs entire, alt.
infls branched in axils
fls small, K5 C5, white with yellowish
stripes

115 Baccaurea - Euphorbiaceae
2 styles
fruits - red, 2 seeded!
small tree, 8m, dbh 25cm
bark smooth, grey ± corky
Terminalia branching tiers in
pseudo whorls,

LF, BK, TW

116* Strongylodon macrobotrys
(Jade vine) - epiphytic on
60 m tree

Leguminosae

117 Vine, thick, woody, 10 cm dia
epiphytic on old tree
Pittosporum Pittosporaceae
hard wood

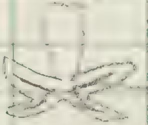
flo white, fragrant C5 K5 fruits
of walnut - green - orange
split -> 2 valves when ripe
yellow inside 2 [illegible] planoconvex
lvs alt., spiral, in
pseudo whorls

(Amimus)

sap of turpentine -
inflammable, oily.

TW. FR LV.

118.* Zingiberaceae ? Alpinia
flo with pinkish orange



1.5 m terminal flo

119 Gutarda Rubiaceae

flo salverform, white
solitary in axils, 7 merous

lvs opp, ex stip.

tree, 8m, dbh 25cm

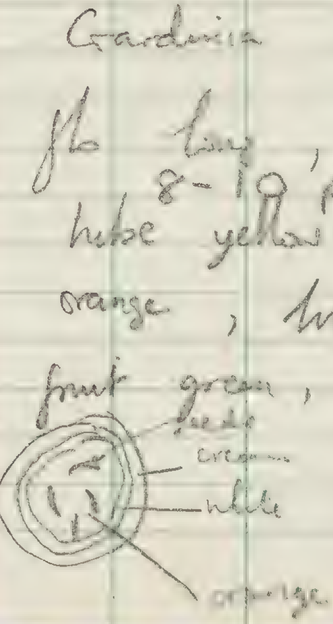
bark, long fissures, gray
± papillose, thin,
slash orange, wood white

BK, LF, TW

120 Gardenia Rubiaceae

flo long, salverform
8-10 petals lobes
tube yellow, corolla lobes
orange, lvs alt

fruit green, orange



tree 5-6 m

bark grey immaculate

BK TW, LF

2[illegible] April 89

Mt Alangalan, Manolo 5th

5th SW [illegible] [illegible]
N Mindanao NW Facing

Hill Dipterocarp rain forest
2200', [illegible]

121* Cyperaceae → 120 cm

122 Slender tree 5m × 4cm dbh
Lvs glabrous, alt, exstip
Fruit white → purple black
style single
Fls 5 merous, contorted in bud
pink waxy fleshy reflexed

TW ; LF.
Ardisia ; Myrsinaceae ?

123 Fleshy shrub → 1m

Stem & Lvs hirsute c spines
(over nerves in leaf)
K5 C5 A5, C white.
A yellow, green mid-line on C.
style 1 protandrous.
Lvs.
Solanaceae, Solanum
(Tálong — Tálongan)
STEM ; LF

124 ✓ Vine - ~1cm dia → 4m into tree
Lvs opp., stip., ovate glabrous
entire
flo 5 merous, actin.
P5, Ov sup., style bifid
white, petals reflexed

STEM ; LVS

Psychotria Rubiaceae

Psychotria Cuernosensis Elmer
(det S. Sohmer)

✓

125 Slender tree 7–8m x 10cm dbh., bark greyish, flaking
Lvs opp + decussate, entire, glabrous, lanceolate, exstip.
Inf: axil cyme, Fl K5 - reddish, C white waxy, salviform petals reflexed A5, G inf.

Rubiaceae

SBK; LF, TW

126 ✓ Tree 15m x 25cm dbh
bark rugose, flaking in patches, silver under, slash red.
Lvs sessile, opp., stip., glabr., entire, apiculate ovate
fruit (imm) style 1, G inf.
trumpet shaped

(Malaruhat)

Cercadium, Myrtaceae

TW, LF; TB

127 Shrub ~2m
Lvs opp., irreg serrate, ? stip
lanceolate, ± subsessile.
Inf terminal raceme;
pink bracts [illegible] petals

Rubiaceae

128 Shrub 2-3m
Lvs opp., entire, subsessile
ovate, apic. acute
Inf 6 merous, long
contorted tube – (no milky
sap)

Rosal-gobat)

cf [illegible]

TW ; LF.

✓

129 Slender tree ~ 6 m x 10 cm dbh
bark smooth, greenish-grey
Lvs compound, odd pinnate
~12 alt leaflets - entire, glabrous
ovate, ? oblique, alt.
Fr orange-red, ripe ov.
fleshy with 2 seeds, berry
Inflo. terminal raceme
Sour odour

Meliaceae

FR, LF, TW, SB.

130 * Vine - slender
Lvs apparently alt (actualy
one of pair aborting ?) venation 5
-//-; Inf 12 cm long spike, greenish

(Sabia)

Piperaceae, Piper

131 (2000')
Herb ~ 60 cm tall
Lvs opp, stip, entire
glabrous lance, Stem purple
Infl terminal panicle
fruit, white tubular
Co infl., style 1.

Acanthaceae

Lagundi - Cabat.
STM ; LF ; ROOT

132 Shrub ~ 2m / 5m
Lvs alt, 5-palmate, cleft
Infl terminal panicle
fruits white → purple

Araliaceae Boerlagiodendron

LF ; TW.

134 Shrub – 2m.
Lvs compound odd pinnate
leaflets opp. 4 pr + 1
Infl = axil panicle
P4 A4 G4 (?) glabrous
P green, A purple minute
fruit 4 free carpels – achenes

(✱ Collect samples ?

✓ 135 Slender tree, branched only at apex. 3 m × 5 cm dbh
Bark smooth, whitish grey
capitulate head, opp. odd pinnate
lvs, 4 pr + 1 leaflets
fruits cf. umbel fruit
sub-spherical, G inf.
P & K green

? Araliaceae Umbelliferae

~~SBK~~ ; (FK) + (W) + (TCM)

✓ 136 Tree ~ 8m × 20cm dbh
bark silver-grey, sub-brown
slightly yellow, rough, longit
fissures
Lvs bipinnate 3 + 1 pr
(3-5) leaflets per pinna.
fls. zygomorphic; K 5 lobed
tube, purple C 5 lobed pink
c orange 5 blotching in throat
(Banney - banney)
fruit long round of legume
Bignoniaceae. Radermachera

LF + FL ; T.CR ; T.W. ; FR

137 Tree, ~12m × 20cm dbh
bark, long fissure, grey
slash outside red, wood white
Lvs alt, ovate, glabrous
petioles reddish; infls axil. panicle
Fruit - abundant spherical
green with reddish ? glands
very sticky

? [illegible]

Binunga |

T.BK ; LVS ; TW ; FR

✓

138 Tree to 8 m x 25 cm dbh
Bark smooth, longitudinal lenticels ; under bark red

wood white, brown, green & grey blotches

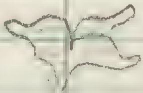
Lvs alt, petiol 0.5cm, pr of glands at base of lamina, entire. glabrous, fruit spherical, -2 lobed, black drupe, axillary
→ purple

? Rosaceae, Prunus -

TBK ; LVS ; TW ; FR

25 April 87 1. 1600'

✓ 139. Shrub ~ 4m × 7cm dbh
Lvs alt, exstip, oblanceolate,
swollen node at base of lamina
entire, glabrous
Infls axillary spike
Fr 3 single seeded, achene
on 3 fused carpels.



(Lunas)
Rutaceae
Lunasia amara.

FR ; SER ; TW ; LVS

140 Small tree ~ 5m × 10cm dbh.
Lvs alt, exstip, oblanceolate
entire, glabrous
Bark rugose

brown

copious white latex.
Infls (old) pr of short stalks
Fruit

green (Tagpo)

LVS TW.

Myrsinaceae

141 * Tree 10m x 30cm dbh
bark smooth [illegible] grey
soft [illegible]
[illegible]
Lvs - simple [illegible], alt.
sessile [illegible] glabr, stip
Infl - long pendulous spike

Combretaceae
Terminalia

(Putant)

✓

142 Small tree 5m x 15cm dbh
bark ± smooth - [illegible]
grey, thin

Lvs subsessile opp. entire
leathery glabr, stip.
Infl axil: (of [illegible])
in 10-20 cm pedicels (pink
K. pink [illegible] 4 [illegible] white
[illegible] A4. G inf. style 2
fragrant in panicle
(small black ants [illegible]

Rubiaceae

T-3 , LV

143* Tree 12 m x 30 cm dbh
thick bark brown scaling
underbark red wood white
Lvs opp., obovate entire
glabrous ! few pellucid gland
punct of apple
clear watery sap (Bilantow)
Guttiferae

Garcinia

144* Shrub or small Tree 3 m
x 5 cm dbh
Lvs alt, subsessile, entire
? exstip
Fr. 2 cm diam red, opening
by 3 valves - mesocarp white
seeds black

✓ 145 Tree 8–10 m x 25 cm dbh
bark brown striate
underbark yellow, wood white
Leaf alt entire glabrous
exstip
Infl axillary fascicles
K5 (green) C(6) green white
A6 (epipetalous) G sup
style 1
Fruit 5 cm diam hard
green of apple.

Sapotaceae

Planchonella

TBK; TW; LF; FR

✓ 146 Small tree/shrub 6m x 10 cm
bark smooth grey minute striate
Leaf alt., stip, venation 3
palmate, serrate margin
adax surface [illegible] rough hair
under surface glabrous green
hair on vein

Fruit axillary, many achenes
in globular agglom.
[Apios]

Urticaceae ;

Leucosyke
Pipturus

FR + LF : TW.

✓147 Shrub - 3m, stem 4cm
Lvs opp, shp. entire,
hirsute,
Inf cymose,
K. 5, fringed c̄ hairs —
± large white "bract"
C salviform Tube 17mm
cream, lobes yellow
G inf Fr green (imm)
(Potenysolab)

Rubiaceae

Mussaenda

LV ; TW ;

✓ 148 Small tree ~ 4 m × 5 cm dbh
Lvs opp. & decuss. ~ distichous
Stip. , entire , glabr.
Infl. axil.

bark reddish , ubk reddish
?

LF ; TW

✓ 149 Small tree ~ 6 m × 10 cm dbh
bark brown lateral striat.

ubk yellow .

Lvs alt ? ovate entire ,
± subsessile glabrous .
Fr. cluster of green oval
on pedicel

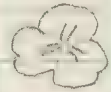
seeds 4-5 .
Fl. K3

? Myristicaceae

LF , TW

150 * small tree 4m x 10cm dbh
Lvs opp, stip, entire glabr
Infls – terminal panicle
G inf, K – green disk
C (5) waxy, white, style 2 lobed

Psychotria gitingensis Elmer
det S. Sohmer
Rubiaceae

151 Small tree, ≈ 6m x 15cm dbh
Lvs alt, stip, entire, glabrous
Infls axil raceme
Fls 5mm dia
K(5) C5, lobes ± bifid
purple styles 3x2 lobes, A small, [illegible]
Ge(3) sup.
Fruit  ~ [illegible]

LF ; TW.

✓ 152 Herb – 1.5 m, stems 4 sided
Lvs ovate, crenate, pubescent
opp., exstip, purple under-
variegated upper
Inflo raceme, flo zygomorphic
violet,
Fringe of hair between leaf bases.
+ purple blotches.
Labiatae ?
Coleus

Medicinal use: (Myana)
pounded leaves – to cuts &
bruises

ST ; LF ; ROOT

✓
153 Herb ~ 2m

terminal Inflo, Raceme, K pink,
C, pink white, yellow inner red
markings on throat

(Tagbak)
Zingiberaceae, Fl.
LF ; ~~TUBER~~ RHIZOME ; STM ; FR

154 ✓ Shrub ~ 3m.
Lvs, large ovate, cordate base, pubescent, opp, exstip,

Inf dense terminal in purple bracts, C - long (2.5mm) salverform tube, white style 15mm exserted, 2 stigmas

Casupangil]

** Medicinal use squeeze sap from fresh leaves → cuts & wounds

STN. LF

Verbenaceae Clerodendrum
[1500']

155 Tree 8m, x 25cm dbh
thick bark, [illegible] brown, long & transverse
furrows reddish [illegible]
white

Lvs opp & decussate | ovate [illegible]
large red stipules / bracts around flo

Inflo [illegible]

purple [illegible] C(6), stigma long
(mostly [illegible]), white, [illegible] 10mm

Euphorbiaceae ; Nauclea

(Balór -)

TBK ; TW ; LF

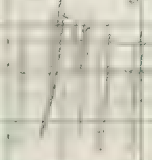
156 Tree, - 10m x
Bk, [illegible] longit fissures
reddish brown ubk red, wood white
Lvs opp. & decuss., petiole
red lin-lanceolate entire
Inflo, axil. panicle,
K 5 (purple) C 5 (red) A ∞
three bundles, glands at base
3 styles

? Clusiaceae ; Cratoxylon

(Goyong - Goyong)

SBK, LF, TW

157 Tree 8m x 15cm dbh
BK brown, longit. fissures
lat. striations
slash - pinky white



Lvs opp & decuss, leafy stipules
ob lance entire
Inflo axil panicle
Fl. 5mm salverform tube / white

? [illegible]

(Bonyoko)

LF, TW; 7 Oh;

26 April
Valley Gully S of Station
W facing slope 1600'

158 Tree, 10m x 25 cm dbh
Bark smooth grey with
horizontal line lenticels

thick [illegible] : [illegible] pink

Lvs alt. no stip. entire
ca 5cm, oblong, dark green,
glabrous adax., glaucous abax
m/b fascicle in ? axillary
short stalked. Fb minute
2-3mm dia green P5 A5+5
G sup. stigma capitate
(Puso-puso)

Actinodaphne Lauraceae

TBH, LF, TW.

159* Small shrub (under) ~ 1.5m
Lvs alt, entire, stalked
Fb zygo K5C5 white

Gesneriaceae ?Loxonia
Cyrtandra

160 Tree ~ 15m x 30cm dbh
unbranched ≈ 8m
Bark rough, thin, reddish brown
flaking with lenticels.

Lvs opp. & decussate, small (5 mm)
green, glabrous, ovate, entire, apex
– acuminate.
Infls – terminal cymes, pointed
white styles, C reddish brown
tube, [illegible] [illegible]

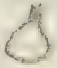
Rhizophoraceae
Anacardiaceae ✓, Euphorbiaceae

TBK, LF, TW.

(1700')
161
Tree 12 m x 25 cm dbh.
bark smooth, ~~transverse~~
wrinkles, brown, thick
w/ slash orange, wood white
Lvs alt, elliptic entire
[illegible], glabrous
Infls ~~(brown)~~ [illegible] green,
panicles in axils of leaf
P6, A6 G sup. small (2 mm)

TBK ; TW ; LF.

162 Tree ~ 10m x 25cm dbh
Outer bark, brown flaking
tuberculate, inner bark grey,
thin, slash orange
Buttressed to 0.5m at base

Lvs compound ~ 70 cm
odd pinnate, ~ 16, 17 opp
pr leaflets, entire, exstip.
Fr on 30 cm pedicel
cluster orange-red fruit 
C. supp. 1-3 seeds in
white fatty matrix

Meliaceae ?

FR, TBK, LF, TW

163* Small tree, 5m x 10cm
Lvs alt entire, Connaraceae
fruit of large acorn 3cm dia

164* Small tree 3m x 5cm dbh
Lvs alt., petiole ~ 30cm
9 — compound, palmate lft. 60 cm dia, Stem tuberculate

Infl (imm), raceme 20cm long

Schefflera Araliaceae
27. Apr 87 1750'
165 Tree ~ 8m x 20cm dbh
Bark, grey, long fissures
Lvs opp, exstip., entire, glabr.
Infl paniculate compounds.
F. black berry ~ 5mm dia

(Alangao)

Callicarpa ; Verbenaceae

** Medicinal use — infusion of lvs → throat & cough.

LV; FR, TO SUR.

2000!

166 Small tree ~ 6m × 7cm dbh.
Bark [illegible], green [illegible] c̄ some flaky patches, red ubk.
Lvs alt., distichous, stip entire, glaucescent abax
yellow margin, ovate
Fr. solitary berry in axil of lvs., pinkish & red
(Malongyan)

Euphorbiaceae ?

SBK; LF + FR; TW.
2100

167 Tree 10m × 25cm dbh.
Bark light grey, pitted,
ubk red, [illegible] [illegible].
Lvs opp., exstip., entire,
glabrous, coriaceous, lanceolate
caudate apex ~ 7cm long
Infl terminal panicle, K5
C5 pink in bud & infl.
fragrant
A ∞ enclosed in bud
Myrtaceae, [illegible] ①
TBK, LF [illegible]

168 Tree, 10m x 25cm dbh
Bark thick, grey waxy,
striate
ubk red wood white
Lvs alt, ? exstip, coriaceous
abaxial greyish
Infl terminal raceme, flo
(4-5mm) small, white regular 5-merous
A 5, stigma dilated, fragrant

(Legas) (edible fruit)

LF, TW; TBH.

169 Tree, slender, 6m x 10cm dbh
Bark, thick, grey flaking,
ubk reddish

Lvs opp, exstip, entire, ovate
apic, glandular abax, 10cm long
Infl compound, K reddish A ∞
exserted 2mm
Myrtaceae, Cecidium (?)

LF, SBK, TJ.

170 Small tree 8 m x 15 cm dbh.
Bark rough, T. bright [illegible]
of tubercles.

Lvs opp, stip, subsessile,
glab, lanceolate, apic, entire
Fruit G mf 8 mm diam
green KT5, 1-2 per axil

Rubiaceae ? Rangin ?

STDR, LF, FRT, TW.

171 Slender tree 5 m x 5 cm dbh.
Bark, grey with [illegible] tubercles
[illegible]

Lf alt., stip (small), glabr
coriaceous entire apex
rounded ovate-lanceolate
fruits grey-green, wrinkled ovoid acute
~~apex~~ style x2 [illegible]

(Putian)
LF, (FR), TW, SEIT.

172* Small shrub ~ 2m
Lvs opp, stip entire, glabr
Fruit red, caps 4 valved caps
white-cream cap, black seeds
axile placentation

Euphorbiaceae, Glochidion

173 Small shrub ~ 3m.
Lf. alt, stip entire. glabr
ovate - apice
Inflo - terminal spike fruits
small (1mm dia) c̄ 2-4 styles - persistent
(Malabigray)

Euphorbiaceae Antidesma?

LF & TW

174 Tree ~ 10m x 25cm dbh
buttressed to 50cm at base
Bark, smooth grey with whitish
thick, many short branches
lvs alt, estip, serrate
glabrate, lanc. elliptic
fruits paniculate G inf
? K 3, ? C 5, actino.
green (....)

FR + Tu ; LF ; 7BK

175* Climber, 4 m on small
tree stem, 3 cm diam.
climbing by adventit. roots
lvs alt. large [illegible]
Inflo spike for green [illegible]

Piperaceae

(Sabyn)

---

28 Apr 87, Marble Quarry
rd W, MMB station, forest on
creek

176 Small tree = 7m × 10cm dbh

bark [illegible], [illegible] longit. cracks

[illegible] (Brown)

Lvs alt, exstip, lanc. entire

glabrous

Infl, raceme, small (3mm)

umserate P3, cream coloured

flo.

LF ; TN ; SOH.

177 Tree 15m × 35cm dbh

Bark light brown, thin, flaking

longit cracks.

slash reddish

Lvs alt., exstip lanc. coriaceous

entire, abax greyish.

inflo axil fascicles [illegible] short

P3 thick, fleshy orange [illegible]

mner red. ?A 9

(Dogon)

LF : TN : TBH.

178 Tree ~ 8m x 20 cm dbh
bark smooth reddish brown c
small tubercles → irregular
scars from aborted branches
ubk, thin, greenish
Lvs alt., exstip. obovate.
entire, glabor
Fr, cluster of ovoid,
purplish-red, G sup 15mm
dia

Loganiaceae ?

TBK, LF, Twd.

179. Small tree ~ 2m x 6 cm dbh
Lvs alt, exstip, lanc. entire
glabor adax, , hirsute
petiole & stem, & lower vein.
Inflo solitary, axillary, orange
K3, C3 G sup. ♂+♀

(Kakaw - Kakawan)

Annonaceae
Myristicaceae
TW, LF

180 Tree 8m x 20cm dbh
bark, rough cracks below
with [illegible]

Lvs opp. - [illegible], exstip
ovate, glabrous
Infls terminal panicle.
fruit long (25mm) capsule
4-6 lobes at ends

(Patdang - Laboyo)

TBk, LF, Tw.

181 Small tree 3m x 5cm dbh
Lvs alt. exstip, glabr entire
Fruits ovoid, in dense head
yellow → cherry red → black

Myristica

Susong Kalabaw

SBK, LF, Tw.

182 Shrub ~ 1.5m
Lvs opp, serrate, ? exstip
Infls white, axil fascicles

Gesneriaceae Gesneria

LF + TW

183 Herb - glabr ~ 1m
lvs simple 30 + 10 cm
Infls spathe + spadix
fruit orange berry on red
receptacle, yellow - white spadix.

LF, STM; ROOT.

Araceae Arum.

184 Herb ~ 1m, glabr
Lvs alt, stip
Infl axil fascicles
flower buds purplish

Urticaceae, Elatostema

WHOLE PLANT

185 Tree 12m x 40 cm dbh
bark reddish-brown, longit. fissures
Lvs alt - exstip., coriaceous
entire, glabrous, lanceolate
Stem zig-zag pattern of twigs
Fruit, [illegible], orange
ovoid, 2 valved Q sup.
25 mm diam, single seed
red endocarp / aril

Pittosporaceae
Myristicaceae

TBK; LF; TW; FR

---

186 Shrub ~3m x 10 cm dbh
bark grey c̄ reddish longit.
striations
Lvs. alt, ovate, crenulate
petioles reddish
Infl. small, green in fascicles
P4 A4 exserted,

Urticaceae; Pipturus
(Dalunot -)

SBK; LF; TW.

29 Apr 87, Secondary forest by track.

187 Shrub ~ 3m, bushy habit.
Lvs alt, stip. subsessile
Infl axillary cyme. Ls entire
Fr. 3 winged, K 5 (pink)
persistent
(Babae - Baoy)
Euphorbiaceae

TW, LF; SBK

—

188 Tree ~ 9m x 25cm dbh
Bark smooth grey
Slash thick, reddish, exuding
milky sap.
Lvs alt, stip., ovate-lanc.
entire, glab., coriaceous
Fr. orange tuberculate globose
on short stalk

Apocynaceae
Moraceae

F + FR; TW; TBK

Tangesang - Bayawak

189 Shrub ~ 5m × 10cm
Lvs compound, even pinnate
4 pr leaflets, entire
coriaceous, alt. exstip.
Bark reddish brown tuberculate
Infl. terminal raceme
reddish brown buds, canescent

Meliaceae (Baay)

TW ; LF ; SBK.

190 Tree ~ 13m × 30cm dbh
Bark soft, reddish brown
brown fissured, flaking -
inner bark, yellow.

Lvs compound, even pinnate.
leaflets ovoid, alt., 7 pr.
stip. entire
Infl. axill panicle Fls
Caesalpiniaceous, pinks with
purple base on banded &
bright, throat green.
Caesalpiniaceae (Angolong-
T BK ; LF ; TW -gupung?)

191 Shrub – 3 m x 5 cm dbh
Lvs alt [illegible] petiole thick
entire, [illegible], glabr
infla terminal panicle
stalk red, K 5, fruit
green, spherical 1 berry
style seeded
Elaeocarpus
(Butching mamot)

LF; TW; FR.

192 Vine, stem red c tendrils
lvs ovate rotund, hill.
paniculate fr. infl. (fruit
spherical capsule, 5 parts
6 segs grooved

(Putokan)

LF; TW

193 Vine Lvs compound
Imp odd pinnate 3pr + 1,
stem green
Infl. axil panicle zygomorph.
C white K 5(red).
? Toxic used for poisoning fish

(Toblai)

Leguminoseae

LF ; TW

194 Tall shrub 5m. x 10cm
Bark, silver-grey with
longit. fissures
Lvs opp, ? exstip, venation
3 parallel veins
Infl paniculate flo. actinom.
K5 in bud, reddish ferrugin.

Astron. Melastomataceae
Lauraceae

(TW+, SBK); LF

195 Small tree – 4m x 10cm dbh
Bark [illegible], reddish with
[illegible] [illegible] ; [illegible] to [illegible]
Lvs alt, exstip, brown
farina in young lvs, abax
surface silvery ; adax glabrous
in older lvs
Fr, flattened black berry /
capsule / seeds orange red,
(Tangolay) Tiliaceae ?

LF, TW ; SBK ; FR.

196 Tree 12m x 20cm dbh.
Bark, reddish brown, tubercul
-ate – longit reddish striations
Lvs alt, exstip, finely
serrate, abax pubescent
Infls, panicles in axils [illegible]
K 5, green, single seeded
drupe – 2mm → black, [illegible]
Kanadyong,
Tiliaceae LF, TW, TBK

197 Vine. Lvs alt, stip = [illegible]
[illegible] red/purple [illegible]
[illegible], entire [illegible]

Fr [illegible] G mf ?

~ orange, berry, dark
red seeds

Root with blood-red white

Tagaro[illegible]

medicinal use - stop bleeding
after childbirth, roots
boiled - drink.

LF ; STEM : ROOT

198 Tree 9m x 20cm dbh
Bark silver-grey, rough
[illegible] ridges, bark [illegible]
thick white reddish
Lvs alt, large stipulate (green
ē red margin), serrate, above
? stellate hairs
Inflo axil corymb 3 valved
capsule. Pilose, purple seeds
fringed with hair.

Verbenaceae Premna

Tonner : Key to Flowering
Plants
revised Gessnak Leiden.

Shuan King

Univ Malaya & Singapore

Orders & Families of
Malayan Seed Plants

14-20 M.$

KL – Univ Malaya Coop Book Store

Malayan Nature Society

Corner, Wayside Trees Malaya
→ reprint

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local n. (Syapo)

→ FR ; LF ; Tw ; TBK.

Moss

1 Mt. Santa Tomas 7,500' earth bank

2 " " " " "

3 Shaded, forest floor " NE. Facing

4 6,500' soft Rock wall N. Facing

~~5~~

(4)5 2200' on tree root by trail

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